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| (21)Application number : 56-148619 | (71)Applicant : NITTO ELECTRIC IND CO LTD |
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(54) MANUFACTURE OF SEMIPERMEABLE MEMBRANE

(57)Abstract:

PURPOSE: To obtain a semipermeable membrane free from membrane defect, high in water permeability, and strong in adhesion to a base, by coating solns. of polymers different from each other in viscosity on the porous base separately, and forming a membrane by solidifying them.

CONSTITUTION: A 10W40 soln. of a first polymer having 1.5W500 poise viscosity at 30°C is coated on a woven or nonwoven fabric made of polyester, polypropylene, polyethylene fibers or the like, and a second polymer soln. lower in viscosity and concn. than the first soln. is coated on the first soln. being kept in a uniform soln. state, and then, the solns. are solidified to form a membrane, thus permitting the porous base having a prescribed gas permeability to be coated with the first polymer soln. having high viscosity and high concn., and properly penetrated into the base, the unevenness of the base surface to be covered, defects such as pinholes to be prevented, and therefore, a semipermeable membrane having a uniform surface and strong adhesion to the membrane and the base to be obtained.

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